



# AVS A4 alarm Owner's manual

New Zealand Security Association Inc.



Rated  
**4**  
Star

Must be professionally fitted by a NZSA Registered Installer







Thank you for choosing an AVS A4 car security system. It has been designed to provide a superior level of security for you and your vehicle. Please read this guide carefully and keep it in a safe place for future reference.



## Remote controls

Two remote controls are supplied and are used to control the system functions. The remotes have rolling codes (4 billion) to foil code-grabbing devices. The remotes are also waterproof in normal use conditions.

| Button   | Functions  | Used when   |
|--|--|---|
|    | <b>A.</b> With the addition of the AVS RXPRO receiver your AVS remote can open/close your garage door or arm/disarm your house alarm system. The RXPRO can control many common remote control devices. Ask your AVS installer for details. | As required   |
|    | <b>A.</b> ARMS alarm and locks doors (if installed)<br><b>B.</b> DISARMS alarm and unlocks doors (if installed)<br><b>C.</b> DISARMS the immobilisers  | Alarm is disarmed<br>Alarm is armed<br>Car is immobilised |
|  | <b>A.</b> Press button or 3-seconds for BOOT RELEASE (if installed)<br><b>B.</b> Press button for 3-seconds to stop engine if turbo timer installed  | As required<br>As required                                |
|  | <b>A.</b> Activates PANIC/car finder   | As required   |

## REMOTE BATTERIES


Each remote is fitted with CR1616 x 2 long life Lithium batteries. Replacement batteries are available from electrical retailers, AVS dealers or [www.avs.net.nz](http://www.avs.net.nz).


### REPLACE THE REMOTE BATTERIES IF:

1. The remote range begins to decrease.
2. The remote's LED flashes when a button is pushed.

**NOTE:** Like any electrical device the remotes contain sensitive components that are easily damaged or broken, especially if dropped. They are expensive to replace so please take care of them.

## Arming

1. Press the  button.
2. The indicators will flash once and the siren will chirp once.
3. The doors will lock (if optional central locking installed).
4. The LED light on the dash will light solid for 30 seconds.
5. The LED light will then start flashing. The system is now armed.

**NOTE:** If you take longer than 38 seconds to leave the car after turning off the ignition when you press the  button it will DISARM not arm the system. Press it again to arm. The indicators will flash once and the siren will chirp once to confirm the system has armed. See auto-immobilisation for more information.

## ALARM TRIGGER

If a door, bonnet or boot is opened (or optional sensor is triggered) while the system is armed the siren will sound and the indicators will flash for 30 seconds. The system will then re-set itself.


## DOOR AJAR WARNING

If the siren chirps for four seconds on arming a door, bonnet or boot is open. The system will exclude that zone until it is properly closed.

## SILENT ARM

To silently arm press the  and  button together.

## Disarming

1. Press the  button.
2. The indicators will flash twice and the siren will chirp twice.
3. The doors will un-lock (if optional central locking installed).
4. The LED light on the dash will go out. The system is now disarmed.

**NOTE:** *If the siren chirps four times on disarm the alarm has been triggered while you were away from the vehicle.*



## SILENT DISARMING

To silently disarm press the  and  button together.

## Auto-immobilisation

The system will immobilise the car 38 seconds after the ignition is turned off. The LED light on the dash will light solid to show it is in auto-immobilise mode. The system must be disarmed before the car can be started. Follow the disarming instructions.

## Panic/car finder

1. Ensure the car ignition is off.
2. Press the  button.
3. The indicators will flash and the siren will sound.
4. Cancel panic by pushing the  button again.


## Emergency disarm / PIN code override

### **IMPORTANT. PLEASE READ.**

*Emergency disarm allows you to override the system if the remotes are lost or broken (or the remote batteries are flat) so you can start the car.*

*This is done using a 2-digit PIN code that you choose (there are 63,000 possible combinations) being entered via the ignition key. Once you have chosen your PIN code record it on the PIN code card with this manual and carry it with you. **THIS IS THE ONLY RECORD of your PIN code.** Without it there is no way to override the system. Please familiarise yourself on how to use PIN code override so you are able to carry out emergency disarm if required.*

## How to change your PIN code

1. Open the drivers door **then** turn the ignition on.
2. Push the  button on the remote 14 times. The dash LED will flash and the siren will chirp each time you push the button.
3. Turn the ignition off. The indicators will flash once.
4. Turn the ignition on then off anywhere from 3 to 255 times. i.e. 11 times. You have now set the first PIN code digit.
5. Wait for the indicators to flash once.
6. Now turn the ignition on then off anywhere from 3 to 255 times. i.e. 36 times. You have now set the second PIN code digit.
7. Wait for the indicators to flash once.
8. You have now set the PIN to (11)(36).
9. Record your new PIN code on the PIN code card and make sure you carry it with you. This is the only record of your PIN code.

## How to use PIN code override for emergency disarm

**NOTE:** *If the alarm is armed the siren will sound when you open the door. You can use the siren key to turn the siren off before starting emergency disarm so it does not make a noise. (This does not turn "off" the alarm, it only silences the siren.)*

**This procedure will override the system whether it is armed or auto-immobilised.**

1. Turn the ignition on and then off an equal number of times to the first PIN code digit.
2. Wait for two seconds (the indicators will flash once in auto-immobilise mode).
3. Now turn the ignition on then off an equal number of times to the second PIN code digit.
4. The system will now disarm. You must start the car within 38 seconds or the system will automatically rearm.

**NOTE:** *If you turn the ignition off for more than 38 seconds you will have to repeat emergency disarm every time you wish to start the car.*

## Data battery back-up siren

- Has its own battery and charging system so it will continue to sound if power is cut to it from the car.
- Communicates with the alarm module via an independent data line to make it more difficult for a would be thief to disable it.



### SIREN KEYS

The siren is supplied with two keys that fit the switch on the top of the siren.

**NOTE:** *The siren key is unique to your alarm. Make sure the number is recorded on the card supplied with this manual.*

### TURNING THE SIREN OFF / ON

**You may need to turn the siren off:**

1. To disconnect the car battery (the siren will sound if it loses power from the battery). Remember to turn the siren back on after the battery is reconnected.
2. If the alarm is armed and you need to use emergency disarm.

**NOTE:** *If you turn the siren off remember to turn it back on!*



### SIREN BATTERY



The siren battery charges off your car's battery automatically. If the car battery goes flat the siren will begin to sound. In this instance turn off the siren with your key and recharge the car's battery. Once this is done remember to turn the siren back on.

If the siren battery is flat it will re-charge itself automatically from the vehicle's power source after approximately one hour.

## Turbo timer functions


### ON-BOARD TURBO TIMER

For maximum security the system has an on-board turbo timer for turbo vehicles that can be enabled by your AVS installer.

1. Turn off the ignition off and exit the car as normal.
2. Push the  on the remote to arm the alarm as normal.
3. The engine will continue to run for a preset run time of 1, 2.5 or 5 minutes.
4. If the system detects an intrusion during the preset run time the system will immobilise the engine and the siren will sound.
5. The engine can be stopped before the set time by pushing the  on the remote for 3-seconds.

### TURBO TIMER INTERFACE

The system will allow the vehicle to run on an external turbo timer. It can be set up by your AVS installer.

1. Turn off the ignition off and exit the car as normal.
2. Push the  on the remote to arm the alarm as normal.
3. The engine will continue to run for the time set on the external turbo timer (this must not exceed the preset run time of the system which is set at 1, 2.5 or 5 minutes).
4. If the system detects an intrusion during the preset run time the system will immobilise the engine and the siren will sound.

**NOTE:** The operation of these features may be dependent on the systems already in your vehicle and may require additional parts and/or additional installation charges. Not all features are available on all vehicles. Please check with your AVS installer.

## Optional features/accessories


**NOTE:** Optional features are dependent on the systems already in your vehicle. Some features may require additional parts and/or additional installation charges. Not all features are available on all vehicles. Features are subject to change. Please check with your AVS installer. Optional accessories such as sensors and sirens will incur an additional charge.



## CENTRAL LOCKING FROM THE REMOTE

The alarm can lock/unlock the doors when the alarm is armed/disarmed.

## BOOT RELEASE FROM THE REMOTE

1. Make sure the vehicle ignition is turned off.
2. Press the  button on the remote for three seconds.
3. The boot will unlock (and if the system is armed it will disarm).

## AUTO RE-ARM AND RE-LOCK

This feature prevents the accidental disarming of the system. It will re-arm and (if central locking is connected) re-lock the doors if the system is disarmed and a door not opened within 60 seconds.

## Optional accessories



### Shock sensor

An impact sensor that will trigger the alarm on a heavy impact to the vehicle.



### Glass break sensor

Detects the sound frequency of breaking glass.



### Ultrasonic sensor

Measures air pressure and movement within the car and will trigger the alarm if the pressure changes. Gives superior protection for the interior of the vehicle.



### Microwave sensor

Ideal for convertibles it detects body mass, such as a person, entering the vehicle.



### Digital tilt sensor

Essential protection for mag wheels. Will trigger if the car is tilted in any direction 1 degree (sensitive setting for mags/lowered cars) or 2 degrees (normal setting).



### Screamer siren

An extremely high-pitched mini siren installed in the cabin of the vehicle.

## Frequently asked questions

### **Why is the remote range getting shorter?**

*The remote batteries are going flat. Replacement batteries are available from your AVS dealer or electrical retailer (CR1616 x 2 per remote).*

### **I have lost or damaged my remotes. How do I start the car?**

*You can use PIN code override for emergency disarm. Follow the instructions in this manual or on the PIN code card.*

### **My alarm chirps for a few seconds when I arm it instead of the usual one chirp?**

*A door, bonnet or boot is open. Disarm the system, correct the problem and start again.*

### **I get four chirps when I disarm the alarm instead of the usual two chirps?**

*The system has been triggered. See your AVS installer if you would like a diagnosis of what has triggered the alarm as this can be retrieved from the system's memory.*

### **I disarmed the system a few minutes ago but now it is armed again?**

*The auto re-arm and re-lock feature has been turned on. It can be turned off by your AVS installer.*

### **The system disarms and the dash lights are working but the car won't start? There is a clicking sound when I try to turn on the car but it won't start?**

*It is likely the car battery is flat. The system draws such a small amount of power it can be armed and disarmed (just like you can still see the dash lights) but the car does not have enough power to start. You will need to replace or recharge the car battery.*

**NOTE:** If jump-starting the car please use protected jumper leads as failure to do so can do irreparable damage to the alarm system (and your car's computer system) and will void your car alarm warranty.

### **I'm worried the alarm will drain the car battery?**

*The system has been designed to draw as small an amount of current from your car battery as possible (<20mA). As long as the car's battery is in good condition the system should not adversely affect most car's batteries if left unattended for up to about three weeks.*

## 3-year warranty

**Complete the information below and keep with your original receipt for the 3-year warranty period.**

### Installation details:

Installation date: \_\_\_\_\_

Installer NZSA #: \_\_\_\_\_

Installer: \_\_\_\_\_

Product installed: AVS A4 alarm \_\_\_\_\_

Additional accessories: \_\_\_\_\_

Siren key number: \_\_\_\_\_

### Your details:

Surname: \_\_\_\_\_

Initials: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Vehicle Make: \_\_\_\_\_

Rego #: \_\_\_\_\_

Vehicle Model: \_\_\_\_\_

Your PIN code: \_\_\_\_\_

### Terms and conditions:

Manta Electronics Ltd warrants the original consumer purchaser that the product described above, installed in the vehicle above, is free from defects in material and workmanship. Should this product be proven to be defective in materials or workmanship during the term of the warranty, Manta Electronics Ltd shall replace or repair any product or part of the product which Manta Electronics Ltd agrees is defective, without charge.

Warranty on installation labour, removal and re-installation charges are not the responsibility of Manta Electronics Ltd.

If you require a mobile technician to call there will be a call out charge regardless of the cause of the fault.

Any damage to the products as a result of mis-

use, abuse, neglect, accident, incorrect wiring, improper installation, repair or alteration or installation outside Manta Electronics Ltd approved dealers will void warranty.

Remote control transmitters and batteries are not covered under warranty.

This warranty shall not apply to any product which is found to have been modified, repaired or altered in any way without the express written consent of Manta Electronics Ltd. This warranty shall not apply to any equipment or product connected to the Manta Electronics Ltd product.

This warranty does not constitute a guarantee or insurance against the theft of the vehicle or contents thereof.

This warranty does not affect your rights under the Consumer Guarantees Act.



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